Five questions for Mark Earnest[1]

[2]
From the beginning of his medical career, Mark Earnest, M.D., Ph.D., witnessed numerous inequities in the health care system and has worked to change the factors that foster them.

“I heard lots of stories that raise your blood pressure because of how unjust the system is,” said Earnest, who, after graduating from Vanderbilt Medical School in 1990, served a three-year residency at the University of Colorado then accepted a junior faculty position in the School of Medicine.

One narrative particularly stands out, he said. A couple had retired from their jobs to open their own business, but because of the expense, gave up their health insurance. When the wife experienced chest pains, she went to a community health center that put her in an ambulance and sent her to an emergency room. She ended up with a heart stent and a bill for $18,000, Earnest said. Six months later, she had a recurrence of symptoms, but because she worried about the expense, she insisted that her husband take her to the community health center. The center said she needed an ambulance, but she refused and asked her husband to drive her to University Hospital because she thought it would be less expensive. She took her last breath in the emergency parking lot.

“That one always comes back to me as being particularly cruel, especially when you hear all the political rhetoric around having skin in the game and how we need to make people more responsible shoppers for their health care,” said Earnest, who spoke with the husband. “The really bitter irony is that this person died shopping for health care.”

Earnest is a professor of general medicine and the co-founder and director of the LEADS Program[3] (leadership, education, advocacy, development and scholarship), which is aimed at addressing the needs of the underserved and disadvantaged. He also is director of REACH[4] (Realizing Educational Advancement and Collaborative Health), an interprofessional education program for the Anschutz Medical Campus.

In 2011, he was named a President’s Teaching Scholar[5]. “It’s a great honor to be selected and an enriching opportunity to get to know these wonderful people who spend time thinking about how to better teach students.”

1. How did you become involved with LEADS and what is the intent of the program?

I had the historical misfortune of starting my practice right as things came to a head around the Clinton health reform. When I went through training, the implicit – and, to some degree, explicit – message I got was that your job was to take care of patients and to meet the needs of people, not to make decisions about resources. It was unethical to think about the cost of something; you only were supposed to think about needs. I entered practice in August of 1993, and within about a year, things changed dramatically both in my practice and the community. We had a huge influx of for-profit health systems buying up community hospitals. In my practice, I could see anybody that needed to be seen and I could send them anywhere they needed to go. But with the bigger system changes, that became impossible very quickly.

I knew almost nothing about health policy and financing, but I knew very clearly that what I saw was not right, and I began to look for a place to make a difference. When I would go to systems leaders and tell them that they had to change something, they would ask, “What would you have me change and how would you have me change it?” It was pretty clear I didn’t have any answers; I just wanted them to fix it. I had a crisis of conscience: I had to decide whether I would go to a community health center or someplace where there was a model that allowed me to see whomever I wanted and not worry about the inequities I saw, or I had to figure out how to do something about it.

There was an organization in town called Colorado Coalition for the Medically Underserved and I began attending meetings and summits, and as time went on, I became more involved in advocacy. I got a grant from the Open Society Institute in the physician advocacy fellowship program, and that supported my time to work with the coalition. It was a powerful developmental and learning experience to have the chance to see policy in action and how advocacy can accomplish a great deal. I was struck by how ill-prepared I was in my medical training for doing that kind of work. I became increasingly convinced that our traditional biomedical model misses the mark and how we need to think more broadly about the role of medicine, specifically physicians and other health providers, in society.

That's how the idea of LEADS was hatched. The intention was to broaden the notion of professional purview beyond the purely clinical role. Providers constantly see things that happen to people they care for professionally that they can't impact. These are the result of factors in community, the family and structure and policy. You're literally steeped in that but have no script about what to do about it. Our goal was to first give students a lens with which to see this and then give them a set of skills to be effective and active in what they see.

2. What are some examples of how students have implemented what LEADS promotes – acting on connections between the clinical practice and the community?

One of the first projects we did was to work with a group of promotoras (lay health educators in the Latino community) to develop a nutrition curriculum to lower fat and calorie content in meals. We also had students who developed a text-based, sex education tool. A high school student who had a question about contraception could text it to a service, ICYC (In Case You're Curious), and they would get a customized but standardized response. The concept has taken off and was featured in The New York Times, and Planned Parenthood has picked it up and has continued to grow the program.

3. What does an average day in your university life look like?

I have days that are largely focused on patient care and I go to great efforts to preserve those because it means a great deal to me and is what grounds everything else. It seems the other days are a lot of meetings. I lead and direct an interprofessional education group – REACH -- that involves all the different schools and programs on campus. The work I'm doing now is related to workforce policy, to helping devise systems skills that are going to be required of our students as they move into the reformed health system. Historically, we've trained students in professional isolation. We assume the key to success is technical competence – that you need to know as much as possible and need to be smart enough to not miss something. And we assume that things like teamwork and leadership are somewhat innate. Yet when we look at why health care fails to deliver, most of it has to do with the fact that we're ineffective at creating a system where things happen the way they should.

4. What aspects of health care/medicine worry you most? Which ones hearten you most?

What worries me most is that any way you look at it, it's unsustainable. Health care has gotten more expensive and more exclusionary, and to some degree, less effective at a population level. We may have gotten better at helping people survive breast cancer, for instance, but a report from the Institute of Medicine shows that the United States is at the absolute bottom of OECD (Organization for Economic Co-operation and Development) countries when it comes to overall health. We spend this huge amount of money on highly intensive clinical care and we see to some degree flat or declining health statistics. To some degree, medicine has been complicit with a lot of the growing inequality because health entities don't see it as their business. The amount of resources that we put in health care is actually starting to starve investments that, in the long term, would probably have more impact on health. For example, there's less money available for education because we spend more on health care. We would get far more in terms of population health benefit if we just got every kid to graduate from high school and as many through a college degree program.

Our students hearten me – their energy and optimism and talents. I'm an optimist at heart. I think we'll solve this and realign things, and to some degree, the reality heartens me. As somebody said, the definition of unsustainable is that something will stop. Things will change dramatically because they have to. My hope is they will change in ways that are productive and enlightened and we'll come together for the common good.

5. How do you relax when you're away from work responsibilities?

I'm a fairly serious photographer and have a portrait studio in my basement. Mostly I photograph kids and newborns of families and friends we know, and I also photograph the outdoors. I play guitar – my wife surprised me with a new electric guitar for Christmas. I've wanted one since high school. I play a broad mix of blues, folk and some pop. My son has just started to play so I really enjoy duets with him.

When the world comes to CU, these Friends lend a hand[6]

Aya Attar, left, and Kirstin Bebell during a visit to Grand Falls on the Little Colorado River northeast of Flagstaff, Ariz., on the Navajo Indian Reservation. Bebell hosts international students such as Attar as part of the Boulder Friends of International Students program.

Aya Attar, left, and Kirstin Bebell during a visit to Grand Falls on the Little Colorado River northeast of Flagstaff, Ariz., on the Navajo Indian Reservation. Bebell hosts international students such as Attar as part of the Boulder Friends of International Students program.

[8]

As the number of international students increases at the University of Colorado Boulder, so has demand for members of the community – including faculty and staff – to help newcomers explore their new surroundings.

With classes, homework, internships and other activities claiming so much time, students need a chance to experience life outside the “campus bubble,” explains Becky Sibley, international student and scholar adviser. To help, Boulder Friends of International Students (BFIS) offers a host program that enables students to learn more about and experience local culture, lifestyle and traditions.

Since it was established in 1955, BFIS, a subgroup of the campus’s Office of International Education, has been assisting visiting students. Hailing primarily from China, India, South Korea and Saudi Arabia, many international students come to Boulder to get a sense of American life. But they not only want to experience campus, they also want to experience the community as well.

Last fall, CU-Boulder welcomed more than 550 new international students -- graduate and undergraduate. As of last fall, the total international student population reached a new high of 1,674.

Unlike similar programs in high schools, students do not live with their hosts. While they are asked to meet with students at least once or twice a month, hosts can meet more often – for group outings, dinners, sporting events, church events and more. About 60 to 80 hosts or host families take part in the program, not including those who stay in touch with students after they’ve graduated.

Anyone can host: singles or couples, with or without children, any occupation and religion. Staff and faculty from the campus are greatly encouraged to join as hosts because of their campus ties. Faculty and staff account for nearly a quarter of the program’s hosts.

And it’s not only staff and faculty from the Boulder campus -- those from other campuses also are welcome to sign up. Having a host from another CU campus is a great chance for students to get out of the Boulder area using the RTD system.

Kirstin Bebell, Study Abroad Program Manager, says taking part in the BFIS program has broadened her understanding of students.

“Even though I work in international education, BFIS has given me the opportunity to interact with people from other countries in greater depth than I would otherwise have,” Bebell says. “I have met people from Slovakia, Chile, Taiwan, Lebanon and India through BFIS. Each student is an opportunity for a new cultural experience, but even more, an opportunity to get to know a unique individual with similar interests to mine who just happens to have grown up in a different country.

“There are always challenges to working with someone from a different background, but that is true whether the two people are both American or are from completely different countries,” said Bebell, who was a host to Aya Attar, who is from Lebanon. “The difference in native languages can be a challenge. I remember teaching Aya what Park-n-Ride

meant. We had a good laugh over that one. Say the words fast and you can understand why ‘Park-n-Ride’ is not an intuitive word concept in English.”

Hosts and students are matched after completing surveys and questionnaires on interests, hobbies, favorite foods, pets, etc. Sometimes matches last for just a year, while others continue through the student’s career at CU-Boulder and result in lifelong relationships. Some hosts have enjoyed the experience so much that they’ve continued hosting for 30 years.

For potential hosts who cannot commit to a full year, but still want to be involved, BFIS recently created a Dinner Network. This gives volunteers the option to host for just an evening. It’s also a good way to test the waters of hosting, opening the doors to a potential long-term commitment.

BFIS does a good job of matching hosts and students with similar interests in activities, food and intellectual pursuits, “so you’re not really getting to know another culture as much as you are getting to know another person who happens to be new to Boulder,” Bebell says. “There's always the flavor of another culture in the interactions, but that’s just the spice – the substance is the person regardless of the country they call home.”

It’s a fun experience and a “natural thing to develop for a community,” Sibley says.

For more information or to apply as a host, visit the BFIS website[9], or contact Susan Ernst, matching coordinator, at bfis@colorado.edu[10].

CU-led study: Pine beetle outbreaks don’t harm water quality[11]

[12]

[13]

A research team involving several scientists from the University of Colorado Boulder has found an unexpected silver lining in the devastating pine beetle outbreaks ravaging the West: Such events do not harm water quality in adjacent streams as scientists had previously believed.

According to CU-Boulder team member professor William Lewis, the new study shows that smaller trees and other vegetation that survive pine beetle invasions along waterways increase their uptake of nitrate, a common disturbance-related pollutant. While logging or damaging storms can drive stream nitrate concentrations up by 400 percent for multiple years, the team found no significant increase in the nitrate concentrations following extensive pine beetle tree mortality in a number of Colorado study areas.

“We found that the beetles do not disturb watersheds in the same way as logging and severe storms,” said Lewis, interim director of CU’s Cooperative Institute for Research in Environmental Sciences. “They leave behind smaller trees and other understory vegetation, which compensate for the loss of larger pine trees by taking up additional nitrate from the system. Beetle-kill conditions are a good benchmark for the protection of sub-canopy vegetation to preserve water quality during forest management activities.”

A paper on the subject was published in the Jan. 14 issue of the Proceedings of the National Academy of Sciences.

“The U.S. Forest Service and other agencies have established harvesting practices that greatly mitigate damage to forests caused by logging, and they deserve credit for that,” Lewis said. “But this study shows just how important the survival of smaller trees and understory vegetation can be to stream water quality.”

In waterways adjacent to healthy pine forests, concentrations of nitrate is generally far lower than in rivers on the plains in the West like the South Platte, said Lewis. Nitrate pollution is caused by agricultural runoff from populated areas and by permitted discharges of treated effluent from water treatment facilities.

“In Colorado, many watersheds have lost 80 to 90 percent of their tree canopy as a result of the beetle epidemic,” said Lewis, also a faculty member in CU-Boulder’s ecology and evolutionary biology department. “We began to wonder whether the loss of the trees was reducing water quality in the streams. We knew that forestry and water managers were expecting big changes in water quality as a result of the pine beetle outbreak, so we decided to pool our university and federal agency resources in order to come up with an answer.”

Study co-author and CU-Boulder Research Associate James McCutchan of CIRES said the new results should help forest managers develop more effective ways to harvest timber while having the smallest effect possible on downstream ecosystems. “This study shows that at least in some areas, it is possible to remove a large part of the tree biomass from a watershed with a very minimal effect on the stream ecosystem,” he said.

Understory vegetation left intact after beetle outbreaks gains an ecological advantage in terms of survival and growth, since small trees no longer have to compete with large trees and have more access to light, water and nutrients, said McCutchan. Research by study co-author and former CU undergraduate Rachel Ertz showed concentrations of nitrate in the needles of small pines that survived beetle infestations were higher than those in healthy trees outside beetle-killed areas, another indication of how understory vegetation compensates for environmental conditions in beetle kill areas.

The researchers used computer modeling to show that in western forests, such a “compensatory response” provides potent water quality protection against the adverse effects of nitrates only if roughly half of the vegetation survives “overstory” mortality from beetle kill events, which is what occurs normally in such areas, said Lewis.

Other study co-authors included Leigh Cooper, Thomas Detmer and Thomas Veblen from CU-Boulder, John Stednick from Colorado State University, Charles Rhoades from the U.S. Forest Service, Jennifer Briggs and David Clow from the U.S. Geological Survey and Gene Likens of the Cary Institute of Ecosystem Studies in Millbrook, N.Y.

The severe pine beetle epidemic in Colorado and Wyoming forests is part of an unprecedented beetle outbreak that ranges from Mexico to Canada. A November 2012 study by CU-Boulder doctoral student Teresa Chapman showed the 2001-02 drought greatly accelerated the development of the mountain pine beetle epidemic.

The researchers measured stream nitrate concentrations at more than 100 sites in western Colorado containing lodgepole pines with a range of beetle-induced tree damage. The study area included measurements from the Fraser Experimental Forest near Granby, a 23,000-acre study area established by the USFS in 1937.

The new study was funded by the USFS, the USGS, the National Science Foundation, the National Oceanic and Atmospheric Administration and the National Park Service. CIRES is a joint research institute between CU-Boulder and NOAA.

Photos: Mountain pine beetle, Courtesy Jeffry Mitton

Momentous year ahead: Academic building groundbreaking, mascot, 40th anniversary[14]

[15]
New academic programs. Construction of our “front door” Academic Building at Larimer Street and Speer Boulevard. The unveiling of a mascot. The University of Colorado Denver's 40th anniversary celebration.

Those are just a few of the ways that the coming year promises to make a powerful statement about who we are and where our urban research university is headed.

The year gets off to an exciting start with the groundbreaking on the 128,000-square-foot Academic Building One on Jan. 31. The building, targeted to open by fall semester 2014, will be the first newly built structure on the Denver Campus, devoted solely to our students — their education, their needs, their success.

Just a week later, students, faculty and staff will pounce on a new way to express pride in their university. Not much can be disclosed at this time, but plan to be in the Tivoli Turnhalle around noon Feb. 7. Let's just say that the university's continued physical expansion, both on the Auraria Campus and in downtown Denver, combined with a burgeoning club sports program resulted in strong interest among the student body for the launch of its own mascot.

In April, we'll hold a celebration to commemorate our 40th anniversary. The marriage of CU Denver to the downtown community began in 1973 and the many ways we've grown, evolved and added to Denver and Colorado's vibrancy will be celebrated throughout the year.

Also in the spring semester, finalists for dean at the College of Arts and Media will be interviewed.

In his State of the University address last fall, Chancellor Don Elliman said CU Denver continues to develop relevant programs that leverage our assets. Examples include the new undergraduate degree programs in architecture and bioengineering and plans for programs in construction engineering management and hospital management.

"We have huge advantage in our ability to marry experiential learning with interdisciplinary programs," Elliman said. "We have to find more ways to build on that advantage."

The university, which has seen strong gains in undergraduate enrollment, will continue its strategic focus on this area. Other areas of focus include diversifying funding streams, assessing technology issues, improving marketing and enhancing student success.

Adding to the visibility of a new mascot, signature building and 40th anniversary will be an image campaign to further raise the university's profile.

UCCS hosting Chinese university leaders for semester-long program[16]

Five university vice presidents from universities in China's Jiangsu Province have begun a 17-week visit to UCCS.

A formal welcome ceremony on Monday featured an exchange of gifts, a traditional part of Chinese culture, as well as remarks by Chancellor Pam Shockley-Zalabak and Ding-Jo H. Currie, chief executive officer of California-based United Education Alliance.

The United Education Alliance arranged for the visit in coordination with the Ministry of Education of Jiangsu Province and UCCS officials. United Education Alliance launched similar programs in fall 2012 at two University of California campuses. The Jiangsu University President Fellow Project is the first outside of California.

"We are honored to host our peers from Chinese colleges and universities at UCCS," Shockley-Zalabak said. "Through such exchanges, we develop knowledge, dispel stereotypes and connect and improve the world through education."

For 17 weeks, the presidential fellows will learn about American public higher education by interviewing key staff and faculty, interacting with UCCS students, participating in various meetings and discussions, and attending classes and

other university functions. They will also participate in community discussions and visit other colleges in the region. Each of the visitors has strong English language skills and was selected in a highly competitive process.

The program is designed to provide the vice presidents insight into American higher education and to prepare them for president positions at a Chinese university or college. The participants are expected to complete a project utilizing their experiences, observations and insights gained at UCCS for implementation at their universities upon their return to China.

“Since the goal of the President Fellows Program is to exchange the best of the East and West, I have chosen UCCS as a partner for two reasons: the outstanding reputation of the university and the excellent leadership of Chancellor Shockley-Zalabak,” Ding-Jo H. Currie said. “I have known her and worked with her. She is the kind of leader and mentor any rising president would want to model after and learn from.”

Located on the eastern coast of China, Jiangsu Province is home to more than 78 million people and covers more than 39,000 square miles. By comparison, the state of Colorado is approximately 104,000 square miles and has 5.1 million people.

The vice presidents will live on campus in apartments designed for upper-level students. Kathy Griffith, a retired UCCS staff member, will serve as liaison. She will be assisted by Jing Votruba; she is a native of China and married to Jason Votruba, manager, UCCS Bookstore.

For more information about the United Education Alliance, visit http://www.unitedea.org/[17]

As a strategic goal, UCCS seeks to improve the exposure of students, faculty and staff to other cultures and to help develop global awareness. Having educational leaders from China on campus will help students understand similarities between the countries and has the potential of developing future exchanges between UCCS and campuses in Jiangsu.

The visiting fellows:

Qu Lixin, 45, is deputy principal of Wuxi City College of Vocational Technology where he is in charge of teaching, training and international cooperation.

Shen Sulin, 51, is vice president of Wuxi Institute of Commerce where he is in charge of teaching.

Jin-hong Liu, 50, is vice president and professor of Nantong Vocational College. She is in charge of the headmaster’s office including foreign affairs, alumni association, state-owned property management, and a branch campus.

Zhang Qingtang, 41, is vice president of Jiangyin Polytechnic College.

Zhuang Guozhen, 49, is vice president of Changzhou Institute of Mechatronic Technology where he is in charge of student affairs.

New solar panels double CU-Boulder’s solar power production[18]

[19]
A new array of solar panels installed at the University of Colorado Boulder has doubled solar power production on campus, providing clean energy for research facilities and other campus buildings.

The 500-kilowatt system is capable of producing 725,000 kilowatt-hours of energy per year, enough to power about 100 average-sized houses. The array is unique for CU-Boulder, a campus that already hosts solar panels on numerous

rooftops. The new system is the first ground-mounted set of solar panels and the largest on campus. It also is one of the largest ground-mounted arrays in Boulder.

The installation will help CU-Boulder power the campus, reduce energy costs and work toward the long-term goal of achieving carbon neutrality.

“This project complements and extends our commitment to leveraging solar energy throughout campus to provide power in a low-cost and responsible manner,” says Moe Tabrizi, CU-Boulder campus sustainability director.

The array is located on 2.5 acres of land near Foothills Parkway and Colorado Avenue, in the 220-acre CU Research Park. It was developed and built by Panasonic Eco Solutions North America with local support from Lighthouse Solar. Financing was provided by a combination of Colorado Amendment 37 rebates and incentives via Xcel Energy, as well as federal tax credits and third-party financing. Colorado Amendment 37 was passed by voters in 2004 to mandate 20 percent use of renewable energy statewide by 2020.

In seven years, CU-Boulder will have the option of purchasing the solar panels at a fraction of their original cost and also will be able to sell power back to Xcel Energy.

Solar panels also are located at 10 other locations on campus including the Coors Events Center, the Center for Community, the University Memorial Center and the Wolf Law Building. Including the new array, CU-Boulder’s solar panels generate about 1,000 kilowatt-hours of energy, enough to power about 200 average-sized houses.

For more information about “greening CU” goals and initiatives
visit http://www.colorado.edu/cusustainability/greeningcu/GreeningCU.html[20].

Anschutz Medical Campus to continue work on master plan, strategic initiatives in 2013[21]

[22]
It's been said that “planning is everything.” At the University of Colorado Anschutz Medical Campus, that couldn't be more true, as plans abound for the campus as a whole as well as the schools and colleges.

Much progress was made in 2012 on a new Anschutz Medical Campus Master Plan, and the plan is targeted for completion this spring.

While uncertainty persists with health care policy and the federal budget, Vice President for Health Affairs and Vice Chancellor of the Anschutz Medical Campus Lilly Marks said the campus will meet the challenges with trademark innovation, flexibility and collaborative spirit. She outlined the challenges and opportunities in her State of the University address.

“All of this sets the stage for why we need to engage in a strategic look at our research enterprise and our research future,” Marks said.

It's been a decade since the Anschutz Medical Campus underwent a master plan, Marks said, “so this is our opportunity to look into the future and to envision how should we design this campus for the next decade.”

Chief Planning Officer Michael Del Giudice has guided the Anschutz Medical Campus Master Plan, gathering “big picture” ideas from visioning forums open to the campus community. Key ideas so far include:
A building connecting research and clinical enterprises. Joint facilities collaboration with sitewide partners. The plan revolves around seven components: community, identity, universal access, innovation, connectivity, engagement and stewardship.

Del Giudice said the campus currently has 8.2 million square feet of constructed space and 17,000 parking spaces. "If we grow to the full extent of this plan, we'll be at 18 million square feet and 30,000 parking spaces. Also, there will be about 44,000 people working on the campus."

In spring 2013, work will begin on a light rail extension along Interstate 225 that will connect to Anschutz Medical Campus. The campus will begin making preparations this summer for the line, which is expected to open in summer 2016.

A key interchange serving the campus, I-225 and 17th Place, is tentatively scheduled to open Feb. 17. This spring, the new University of Colorado Hospital Inpatient Tower will open.

Marks said other opportunities are to explore new models of education and research, biotechnology innovation and enhanced philanthropy. Opportunities to meet operational challenges include the master plan process, undertaking a thorough review of biotech transfer infrastructure and building campus-specific infrastructure.

At the forefront of the campus's research, education for students and clinical outcomes are the individual schools and colleges. Following are some highlights of what's on tap in 2013:
The School of Medicine will continue a process of re-evaluating the structure of the school to prepare for the challenges of the coming decade. Task forces have been meeting on the topics of education, clinical care, research and community. The medical school will continue to prepare for a new branch, for clinical training for third- and fourth-year students, in Colorado Springs. The initial group of students is expected to begin at the branch in August 2014. Last year, the Colorado School of Public Health named David C. Goff[23] Jr., M.D., Ph.D., as dean. In 2013, the school will begin offering new maternal and child health and health services research program[24], both aimed at addressing specific health indicators and outcomes lacking in our state. In August, Sarah Thompson, Ph.D., RN, FAAN, joined the College of Nursing as dean and has been meeting individually with its faculty, staff, students, alumni, donors and professional stakeholders. In January, these stakeholders will gather for a strategic planning process. Also this year, Thompson will be meeting with various groups of alumni in Colorado and around the country. The past year saw the 100th anniversary and new building dedication of the Skaggs School of Pharmacy and Pharmaceutical Sciences. The school in 2013 will undertake a strategic planning process, continue improvement and advancement of current curriculum and build upon the success of its online PharmD program (the second largest of its kind in the nation) and expand to an international audience.

Toastmasters at Anschutz invite you to talk[25]

Whether it’s verbal or nonverbal, communication isn’t optional. Toastmasters International has been helping people develop and hone this and other important skills since 1924.

At the CU Anschutz Medical Campus, Toast-A-Matics, the local Toastmasters Club, meets from noon to 1 p.m. every Thursday. Meetings are for anyone interested in honing communication skills and gaining the confidence to:
excel at job interviews give powerful presentations have productive discussions effectively teach classes and training sessions lead successful seminars give humorous, informative and special occasion speeches
Meetings are the Nighthorse Campbell Building, Room 304.

For more information, see the group’s website[26] or contact Kirk McCrimmon, kirk.mccrimmon@ucdenver.edu[27]

Gosling honored by National Academy of Sciences[28]

[29]

John Gosling, a senior research associate at the University of Colorado Boulder's Laboratory for Atmospheric and Space Physics, was one of 18 individuals honored by the National Academy of Sciences for outstanding scientific achievements.

Gosling received the Arctowski Medal for his research contributions regarding the generation of energetic solar events, including solar flares and coronal mass ejections. Gosling's research has provided new insights as to how these phenomena impact both Earth and the larger region of space dominated by the sun known as the heliosphere.

Gosling is a retired laboratory fellow at Los Alamos National Laboratory in Los Alamos, N.M. The Arctowski Medal is given every two years to individuals for their studies in solar physics and solar-terrestrial relationships. It carries an award of $20,000 to the winner, as well as an additional $60,000 for supporting research.

"I was very surprised and pleased when I learned about this," Gosling said. "I know many of the past recipients, and it is an honor to have been selected."

The National Academy of Sciences annually recognizes top scientific achievements in a wide range of fields spanning the physical, biological and social sciences. The 2013 recipients will be honored in a ceremony April 28 during the organization's 150th annual meeting in Washington, D.C.

Gosling is the recipient of numerous awards. He was elected a fellow of the American Geophysical Union in 1991 and a fellow of the American Association for the Advancement of Science in 2007. He was recognized as one of the most highly cited researchers in the space sciences by the Institute for Scientific Information in 2002.

Kaukinen to lead Respect on Campus program[30]

[31]
Katie Kaukinen, associate professor at the School of Public Affairs at the University of Colorado Colorado Springs, will lead a new interpersonal violence prevention program, Respect on Campus, with the goal of teaching faculty and staff to effectively intervene when students appear to have experienced interpersonal violence or when an abusive conversation is overheard.

This semester, Kaukinen and a team of peer educators will visit UCCS classes to empower faculty and students to prevent violence.

"Too often, we're in a situation where we see something that we sense is wrong but we don't know what to do," Kaukinen said. "The goal of this program is to mobilize us as individuals to take action and to demonstrate that we, as a campus community, will not tolerate interpersonal violence, including sexual assault, domestic violence, dating violence and stalking."

Kaukinen understands that talking about subjects such as sexual assault, stalking, or what makes a healthy relationship, can be difficult. Far more difficult, however, is learning that someone was the victim of violence and wondering if you could have helped, she said. Kaukinen and a team of student educators have several planned programs on topics ranging from stalking and technology to violence in the workplace. But she emphasized that each subject can be tailored to meet the needs of a specific instructor or course.

"We tailor our content and approach to meet the unique needs and interests of your students," Kaukinen said. "If the class is a science class, we might cover the medical perspective of trauma or the technical side of stalking. For a humanities course, we might offer an interactive theater or a literature discussion. We want to make the topic relevant to faculty members and your students."

[Four CU Denver faculty to work on state implementation of Amendment 64][32]

Christian Thurstone

Jeremy Nemeth

Kari Franson

Laura Borgelt

Four University of Colorado Denver faculty members have been selected to assist in Gov. John Hickenlooper's Amendment 64 Implementation Task Force.

As a result of Colorado voters' approval in November to legalize the personal use of marijuana, Hickenlooper signed Amendment 64 into law last month; he also signed an executive order forming a task force to recommend needed legislate actions.

Named to the task force was **Christian Thurstone,** M.D., associate professor in the CU School of Medicine, Department of Psychiatry, known for his expertise in the treatment of marijuana addiction. Thurstone was recognized in October by the Office of National Drug Control Policy (ONDCP) for exemplary work in furthering the goals of the President's National Control Strategy.

Task force members expect to form working groups composed of experts to aid in the group's work. University of Colorado Denver l Anschutz Medical Campus colleagues named to join the working groups are: **Jeremy Nemeth**, chair and assistant professor of Planning and Design, College of Architecture and Planning, who was named by the governor to the Task Force for Amendment 64 Regulatory Framework Committee; and **Kari Franson**, PharmD, Ph.D., associate dean for Professional Education, and **Laura Borgelt**, PharmD, associate professor, both in the Skaggs School of Pharmacy and Pharmaceutical Sciences, who will participate in the Consumer Safety-Social Issues working group.

"Task Force members are charged with finding practical and pragmatic solutions to the challenges of implementing Amendment 64 while at all times respecting the diverse perspectives that each member will bring to the work of the task force," the executive order says. "The Task Force shall respect the will of the voters of Colorado and shall not engage in a debate of the merits of marijuana legalization or Amendment 64." The group will consider and resolve a number of policy, legal and procedural issues, involving various interests and stakeholders, to implement the new constitutional amendment.

[Gloor elected vice president of Music and Entertainment Industry Educators Association][37]

[38]
Storm Gloor, an assistant professor in Music and Entertainment Industry Studies in the College of Arts and Media at

CU Denver, recently was elected vice president of the Music and Entertainment Industry Educators Association.

He will begin his term March 23 at the 2013 MEIEA Summit in New Orleans. Gloor previously has been a general board member in the MEIEA.

Links
[1] https://connections.cu.edu/stories/five-questions-mark-earnest[2] https://connections.cu.edu/file/5q-earnest-ppng[3] http://www.ucdenver.edu/academics/colleges/medicalschool/education/degree_programs/mdprogram/longitudinal/tracks/leads/Pages/Leads$.aspx[4] http://www.ucdenver.edu/academics/degrees/health/REACH/Pages/Default.aspx[5] http://www.colorado.edu/ptsp/[6] https://connections.cu.edu/stories/when-world-comes-cu-these-friends-lend-hand[7] https://connections.cu.edu/file/bfispng[8] https://connections.cu.edu/file/bfis-logopng[9] http://www.colorado.edu/bfis/[10] mailto:bfis@colorado.edu[11] https://connections.cu.edu/stories/cu-led-study-pine-beetle-outbreaks-don%E2%80%99t-harm-water-quality[12] https://connections.cu.edu/news/cu-led-study-pine-beetle-outbreaks-dont-harm-water-quality/pine-beetle-top[13] https://connections.cu.edu/news/cu-led-study-pine-beetle-outbreaks-dont-harm-water-quality/pine-beetle[14] https://connections.cu.edu/stories/momentous-year-ahead-academic-building-groundbreaking-mascot-40th-anniversary[15] https://connections.cu.edu/file/campusucdjpg-0[16] https://connections.cu.edu/stories/uccs-hosting-chinese-university-leaders-semester-long-program[17] http://www.unitedea.org/[18] https://connections.cu.edu/stories/new-solar-panels-double-cu-boulder%E2%80%99s-solar-power-production[19] https://connections.cu.edu/across-cu/new-solar-panels-double-cu-boulders-solar-power-production/solar_ucb[20] http://www.colorado.edu/cusustainability/greeningcu/GreeningCU.html[21] https://connections.cu.edu/stories/anschutz-medical-campus-continue-work-master-plan-strategic-initiatives-2013[22] https://connections.cu.edu/file/campusamcjpg-0[23] http://attheforefront.ucdenver.edu/?p=2796[24] http://attheforefront.ucdenver.edu/?p=3248[25] https://connections.cu.edu/stories/toastmasters-anschutz-invite-you-talk[26] http://toastamatics.toastmastersclubs.org/[27] mailto:kirk.mccrimmon@ucdenver.edu[28] https://connections.cu.edu/people/gosling-honored-national-academy-sciences[29] https://connections.cu.edu/file/jackgosling081new21jpg[30] https://connections.cu.edu/people/kaukinen-lead-respect-campus-program[31] https://connections.cu.edu/file/kaukinenjpg[32] https://connections.cu.edu/people/four-cu-denver-faculty-work-state-implementation-amendment-64[33] https://connections.cu.edu/file/thurstone1jpg[34] https://connections.cu.edu/file/nemethjpg[35] https://connections.cu.edu/file/franson1jpg[36] https://connections.cu.edu/file/borgeltjpg[37] https://connections.cu.edu/people/gloor-elected-vice-president-music-and-entertainment-industry-educators-association[38] https://connections.cu.edu/file/stormgloor150wjpg